

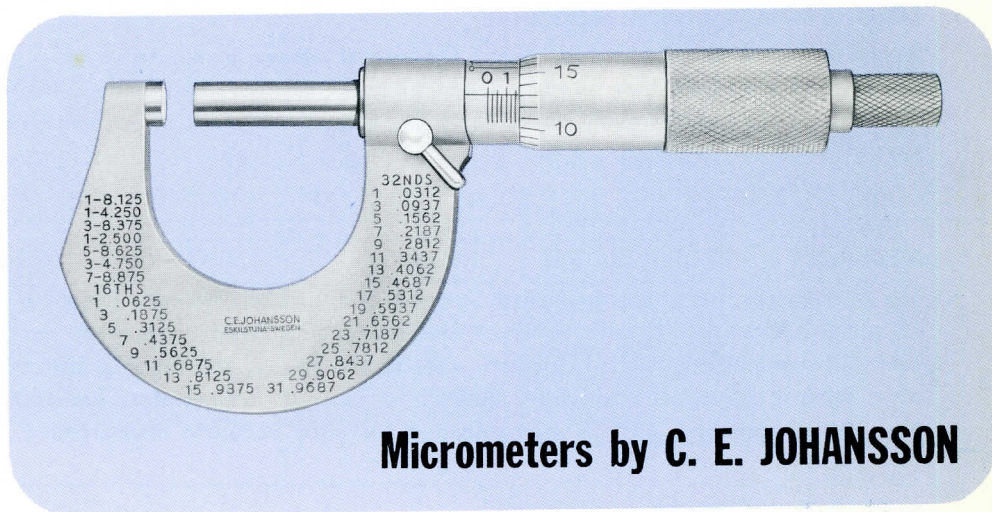


SWEDISH PRECISION TOOLS

Distributed Exclusively By

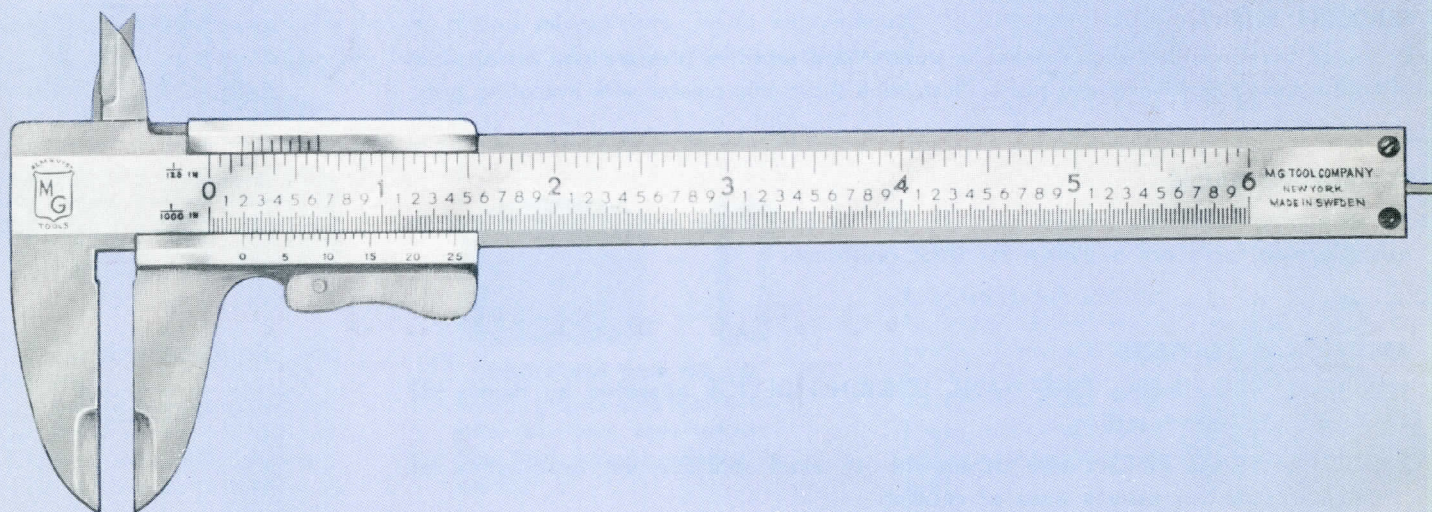
MG Tool Company

**80 White Street
New York 13, N. Y.**

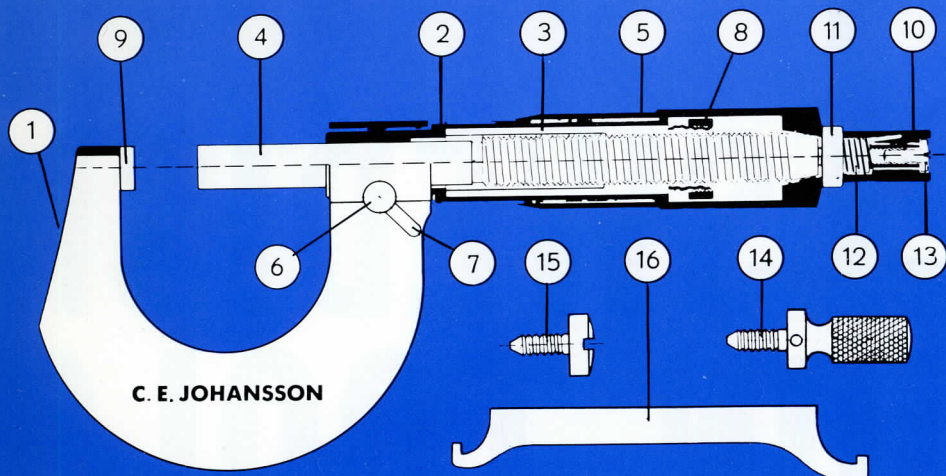


Micrometers by C. E. JOHANSSON

Vernier Calipers by R. ALMKVIST



C. E. JOHANSSON MICROMETERS are made of the finest materials, with the same meticulous attention to accuracy as the JOHANSSON gage blocks.

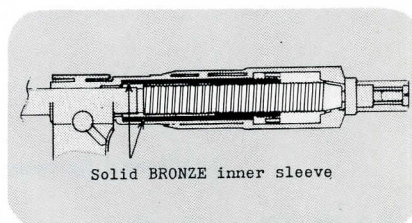


C. E. JOHANSSON MICROMETERS are precision made by the world-famous C. E. JOHANSSON factory in Sweden, originators and manufacturers of the JOHANSSON GAGE BLOCKS.

- 1 Cut-away Frame
- 2 Outer Sleeve
- 3 Inner Sleeve
- 4 Micrometer Screw
- 5 Thimble
- 6 Locking Clamp
- 7 Locking Pin
- 8 Taper Nut
- 9 Anvil
- 10 Friction Sleeve
- 11 Friction Screw
- 12 Friction Spring
- 13 Retaining Screw
- 14 Knob
- 15 Fixing Screw
- 16 Key

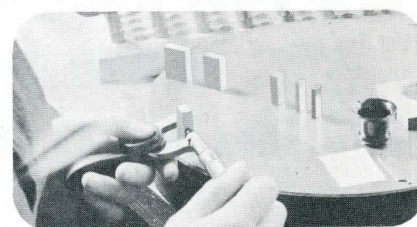
SOLID BRONZE INNER SLEEVE

Bronze is a metal of low resistance. The bronze sleeve eliminates friction between spindle and sleeve resulting in extreme smoothness, sensitivity and immeasurably longer life. This feature is normally found only on exceptionally expensive micrometers of special design.



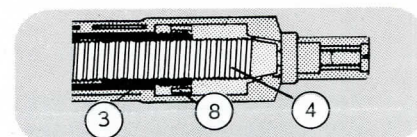
ACCURACY

The micrometer screw has hardened, ground and LAPPED threads (again a feature of special micrometers) with minutest irregularities removed, to provide smooth contact between moving parts. Coupled with Bronze Sleeve, the result is extreme accuracy. Pitch is guaranteed to within .00004" on No. 106 micrometers and .00008" on No. 104 micrometers. 68°F is recommended for ultra accurate measurement.



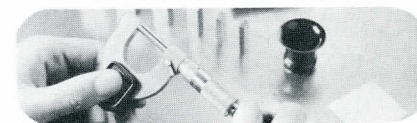
PLAY DUE TO WEAR

Continued use will result in some play or slack. This is easily corrected by tightening taper nut (8) which tightens Bronze Sleeve (3) against micrometer screw. (4) Complete instructions as well as special wrench are included with each micrometer.



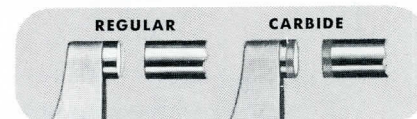
FRICTION SLIP

By use of friction rather than ratchet, a smooth and sensitive pressure can be applied without wearing or forcing any parts. Illustration shows micrometer with insulating grip.



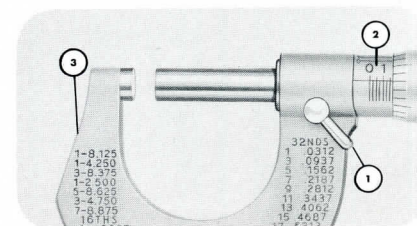
MEASURING FACES

All measuring faces are lapped perfectly flat to each other and at right angles to axis. Carbide faces are available for wear resistance.



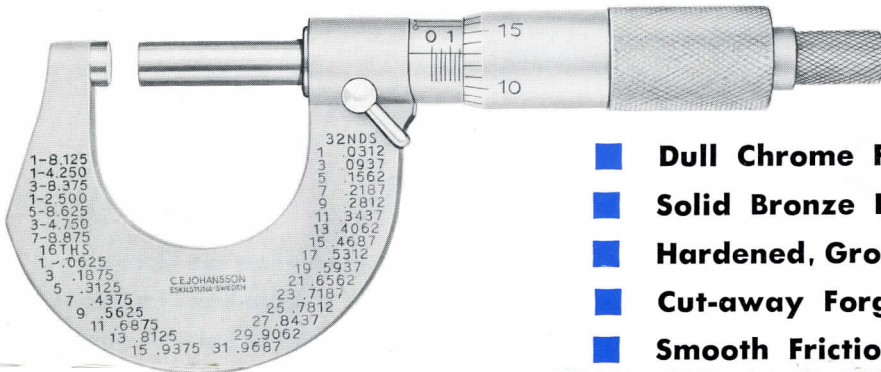
ADDITIONAL FEATURES

- 1 A simple and effective ONE HAND LOCKING DEVICE operated by thumb will not alter or distort setting.
- 2 DULL CHROME FINISH with permanent jet black machine cut graduations of extreme accuracy assures ease of reading.
- 3 Tempered steel forgings with CUT-AWAY FRAME for narrow slot measurement.





Micrometers by C. E. JOHANSSON, Sweden



- Dull Chrome Finish
- Solid Bronze Inner Sleeve
- Hardened, Ground and Lapped Threads
- Cut-away Forged Frame
- Smooth Friction Slip

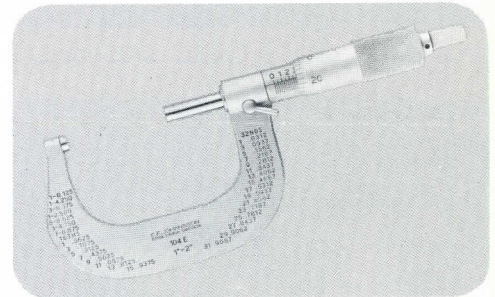
C. E. JOHANSSON MICROMETERS

catalog number	range	graduations	measuring faces
I04E	0-1"	.001"	lapped steel
M104E	0-1"	.001"	lapped carbide
I06E	0-1"	.0001"	lapped steel
M106E	0-1"	.0001"	lapped carbide

Each micrometer attractively packaged for display.

The above micrometers will soon be available in 2 and 3" range with cut-away frame. Meanwhile full frame 2 and 3" sizes can be had.

The micrometers listed above are a small part of the C. E. JOHANSSON line. Micrometers with inch graduations are available up to 40". Metric micrometers, depth micrometers, micrometer heads, thread micrometers, inside micrometers, are only a few of the many types. For complete information write for additional literature.



BALL ATTACHMENT No. 110E

Can be attached to micrometer for measuring thickness of tubing walls, hollow cylinders, etc. Accuracy: $\pm .00003$ ".



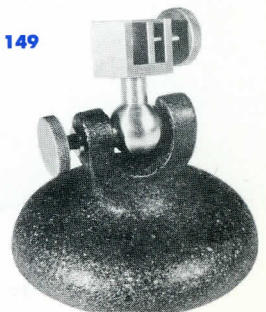
INSULATING GRIP No. 148

Bakelite snap-on grips insulate the micrometer from body temperature where extreme accuracy is required.



MICROMETER STAND No. 149

Fully flexible ball joint can be fixed in any convenient position. Frees both hands for measuring, provides convenient gaging stand. Heavy base and positive locking device prevents slipping.

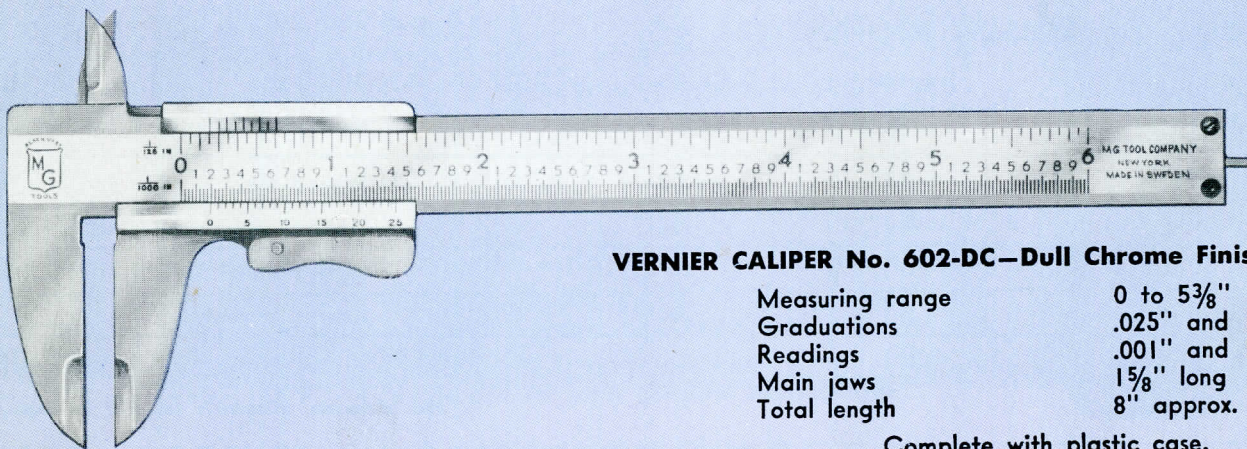




Vernier Calipers by R. ALMKVIST, Sweden

- Hardened and Ground Swedish Tool Steel
- Long Vernier Scale
- Permanent Jet Black Graduations
- Automatic Thumb Locking Device

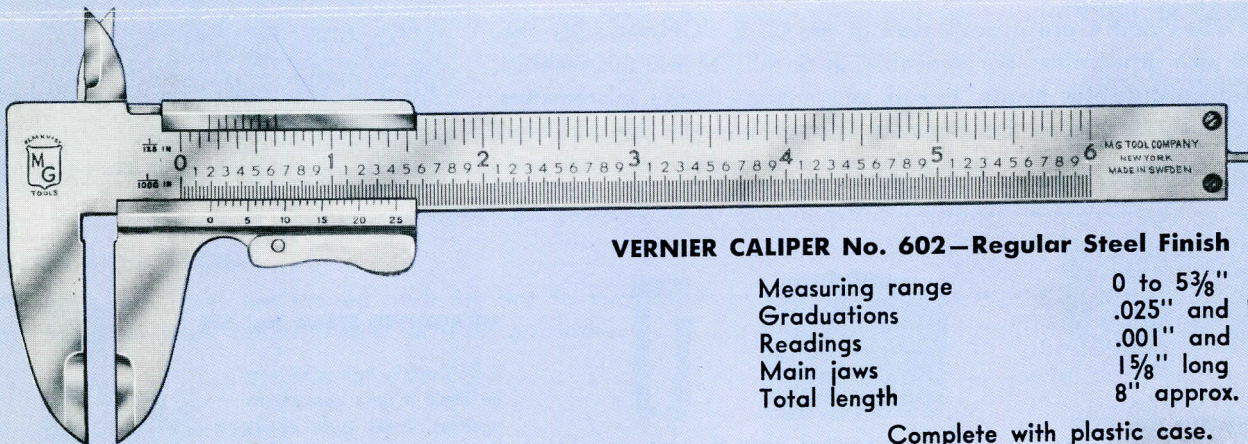
MG/ALMKVIST Vernier Calipers are extremely accurate measuring tools. Permanent black graduations are accurately spaced, uniform in width and depth, essential when matching to vernier scale. Vernier scale is extra long for easier and more accurate readings. Made of finest Swedish steel with accurately fitted slides, beveled lower jaws for thread measurement, pointed beveled upper jaws for dividing and internal measurement, and depth gage.



VERNIER CALIPER No. 602-DC—Dull Chrome Finish

Measuring range	0 to 5 $\frac{3}{8}$ "
Graduations	.025" and 1/16"
Readings	.001" and 1/128"
Main jaws	1 $\frac{5}{8}$ " long
Total length	8" approx.

Complete with plastic case.



VERNIER CALIPER No. 602—Regular Steel Finish

Measuring range	0 to 5 $\frac{3}{8}$ "
Graduations	.025" and 1/16"
Readings	.001" and 1/128"
Main jaws	1 $\frac{5}{8}$ " long
Total length	8" approx.

Complete with plastic case.

A complete range of Swedish Vernier Calipers and Height Gages are available. Write for additional literature.